

Amendments to the Specification:

Please replace the paragraph beginning on page 2, line 16, with the following amended paragraph:

-- To achieve a reliable data transmission, the transmission protocol has to assure that all transmitted PDUs are received correctly by the receiver. For this purpose, the receiver sends acknowledgments to the transmitter which in turn retransmits the unacknowledged or negatively acknowledged PDUs according to a specified ARQ scheme. A widely used ARQ scheme is the so-called Go-Back-N method where the receiver acknowledges all the PDU's up to certain sequence method where the receiver acknowledges all the PDU's up to a certain sequence number N. In particular, the receiver sends the sequence number N up to which it has received all PDU's properly ~~ad~~ and in order. After receiving such an acknowledgment, the transmitter continues the transmission starting from the specified sequence number N. During the so-called round-trip delay, the receiver may have already transmitted PDUs with sequence numbers larger than N. Nevertheless, the transmitter continues transmission by (re)transmitting the PDUs with sequence numbers N, N+1, N+2, . . ., when receiving such an acknowledgement. --

Please replace the paragraph beginning on page 6, line 13, with the following amended paragraph:

-- Alternatively, the transmission rate of the acknowledgment messages may be changed in dependence on a retransmission of a negatively acknowledged data unit. In this case, the number of unacknowledged data units transmitted via the transmission channel may be counted, the counter value may be increased ~~be~~ by a predetermined value when a negatively acknowledged data unit has been retransmitted, and a transmission of an acknowledgment

message may be polled, when the counter value exceeds a predetermined threshold value. Alternatively, instead of increasing the count value by the predetermined value, the predetermined threshold value may be decreased when a negatively acknowledged data unit has been retransmitted. --

Please replace the paragraph beginning on page 11, line 28, with the following amended paragraph:

-- According to the first example, a receiver side error control is performed, wherein the RLC endpoint receiver decides when an acknowledgment shall be ~~send~~ sent and is able to count the data blocks lost or erased during the transmission. This means that the receiver has to have knowledge of the data blocks to be received or has to be able to detect the data blocks which have been transmitted to it, even if the data blocks may have been corrupted during the transmission. --

Please replace the paragraph beginning on page 18, line 17, with the following amended paragraph:

-- It is to be noted that the error control functions performed by the respective blocks of the error processing unit 1 depicted in Figs. 1 and may as well be implemented by corresponding software routines stored in a program memory and executed by respective ~~mikroprozessors~~ microprocessors (CPUs) arranged in the transmitter and receiver. --